

Peak District National Park

Forecast valid from 06:00 on Friday 13 Oct 2023 until 23:59 on Saturday 14 Oct 2023

Forecast Issued on Friday 13 Oct 2023 at 04:20

Confidence: High for an unsettled morning Friday, improving later with a transition to colder and fresher conditions into the weekend and for sunny, settled weather by Monday. Moderate for shower detail Saturday.

Headline for Friday 13 Oct 2023: Overcast start with periods of rain, heavy at times. Brighter through the afternoon as rain clears. Becoming colder with freezing level lowering later.

Mountain weather hazards on Friday 13 Oct 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

Low Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

Medium Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Heavy Rain	Heavy Rain	Light rain	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
90%	90%	60%	20%	10%	20%

Forecast for Friday 13 Oct 2023

Weather: A dull morning with an area of persistent, and at times heavy, rain lying across the park. Rain should begin to clear away to the south around midday. Extensive cloud and hill fog through the morning, with cloud breaks then developing as rain clears through the afternoon. Best of the brightness for Dark Peak. Some light showers following from the northwest later, perhaps pushing further inland across the Peaks towards midnight. Strong and blustery winds.

Chance of cloud-free hill tops above 600m: 10% or less at first, becoming 80% by mid-afternoon as rain clears.

Low cloud and visibility: Extensive cloud with bases down to around 300m at first. Cloud will gradually lift clear of summits and break to sunny spells by mid-afternoon after rain clears, with improvements starting in the north. Moderate or poor visibility in rain, very poor in heavy or persistent rain. Visibility then very good, but falling to moderate in showers.

Forecast for Friday 13 Oct 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/19 SW	16/20 W	18/25 W	23/31 W	23/31 W	21/29 W	19/27 W
300	7/13 S	12/17 W	14/21 W	17/26 W	17/26 W	16/25 W	13/21 W
Valley	4/13 SE	7/15 W	10/20 NW	14/27 W	13/28 W	11/25 W	8/20 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/9	11/8	8/3	7/2	6/1	5/-0	5/-0
300	13/12	13/11	10/7	10/6	9/5	8/4	7/4
Valley	13/12	13/12	10/8	10/8	9/6	8/5	8/5
Freezing Level*	3100m	2900m	2600m	1300m	1200m	1200m	1100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Rain, heavy and persistent at times through the morning, will result in wet or slippery surfaces and likely lead to some watercourses becoming swollen. Severe wind chill developing across highest summits and routes overnight.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Fri 13 Oct 2023	N/A	N/A	N/A

Forecast for Saturday 14 Oct 2023

Weather: Bright and sunny spells and a scattering of showers. Showery outbreaks heavier and more frequent in the northwest, easing through the late afternoon with skies clearing in the east. Feeling cold, with a potentially wintry mix to showers across higher routes as the freezing level lowers.

Maximum wind: West to northwest 25-30mph gusting 35-40mph, soon easing 15-20mph with gusts 25-30mph.

Chance of cloud-free hill tops above 600m: 80%, but above 90% in the east.

Low cloud and visibility: Excellent visibility outside of cloud with distant hills clearly visible. Visibility briefly falling to moderate in showers, very poor in wintry showers. Cloud with bases infrequently lowering to 600m mainly as showers push through.

Temperature: **Valleys:** Plus 4 Celsius, rising to plus 9 Celsius
At 600m: Plus 5 Celsius
Freezing level: 1200 m lowering 600 m late in day